

Title (en)

Aluminium alloy with good cuttability, method for producing a forged article and the forged article obtained

Title (de)

Alu-Legierung mit guter Schneidbarkeit, ein Verfahren zur Herstellung eines geschmiedeten Artikels, und der geschmiedete Artikel

Title (fr)

Alliage d'aluminium avec bonne coupabilité, une méthode pour fabriquer un objet forgé et l'objet forgé obtenu

Publication

EP 1359233 A3 20031112 (EN)

Application

EP 03007998 A 20030410

Priority

JP 2002124864 A 20020425

Abstract (en)

[origin: EP1359233A2] An aluminum alloy with good cuttability, containing 3 to 6 mass% of Cu, 0.2 to 1.2 mass% of Sn, 0.3 to 1.5 mass% of Bi, and 0.5 to 1.0 mass% of Zn, with the balance being aluminum and inevitable impurities. A method for producing a forged article, in which the aluminum alloy is utilized. A forged article obtained by the method. An aluminum alloy with good cuttability, containing 3 to 6 mass% of Cu, 0.2 to 1.2 mass% of Sn, 0.3 to 1.5 mass% of Bi, and 0.5 to 1.0 mass% of Zn, with the balance being aluminum and inevitable impurities. A method for producing a forged article, in which the aluminum alloy is utilized. A forged article obtained by the method.

IPC 1-7

C22C 21/12; **C22F 1/057**

IPC 8 full level

C22C 21/12 (2006.01); **C22F 1/057** (2006.01)

CPC (source: EP KR US)

C22C 21/12 (2013.01 - EP KR US); **C22F 1/057** (2013.01 - EP US)

Citation (search report)

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- [A] US 5725694 A 19980310 - SIRCAR SUBHASISH [US]
- [A] EP 0828008 A2 19980311 - ALUSUISSE LONZA SERVICES AG [CH]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 21 3 August 2001 (2001-08-03)
- [Y] J.R. DAVIS: "Metals Handbook, Desk Edition", 1998, ASM INTERNATIONAL, OHIO USA, XP002252510, 087170
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DOCDB simple family (publication)

EP 1359233 A2 20031105; **EP 1359233 A3 20031112**; **EP 1359233 B1 20061213**; CN 101812618 A 20100825; CN 101812618 B 20111207; CN 1453384 A 20031105; DE 60310298 D1 20070125; DE 60310298 T2 20070329; HK 1145857 A1 20110506; KR 100559689 B1 20060310; KR 20030084727 A 20031101; US 2003202899 A1 20031030; US 6780375 B2 20040824

DOCDB simple family (application)

EP 03007998 A 20030410; CN 03123309 A 20030425; CN 201010114259 A 20030425; DE 60310298 T 20030410; HK 11100017 A 20110104; KR 20030025959 A 20030424; US 41921503 A 20030421